

Title (en)

METHOD FOR MANUFACTURING MEMBRANE-CATALYST LAYER ASSEMBLY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER MEMBRANKATALYSATOR-SCHICHTANORDNUNG

Title (fr)

PROCÉDÉ POUR FABRIQUER UN ENSEMBLE DE COUCHES MEMBRANE-CATALYSEUR

Publication

EP 2654112 B1 20160406 (EN)

Application

EP 11849051 A 20111124

Priority

- JP 2010280293 A 20101216
- JP 2011006531 W 20111124

Abstract (en)

[origin: US2012315571A1] According to a method for producing a catalyst-coated membrane in the present invention, in order to prevent a polymer electrolyte membrane 1 from being curled when catalyst ink is dried to form a catalyst layer 4a, a membrane-shape retaining film-assembly is prepared such that a shape retaining film 2 is attached on one surface of the polymer electrolyte membrane 1 so as to protrude from both sides of the polymer electrolyte membrane 1 in a width direction, and then the catalyst layer 4a is formed on another surface of the polymer electrolyte membrane 1.

IPC 8 full level

H01M 8/02 (2006.01); **H01M 4/88** (2006.01); **H01M 8/10** (2006.01)

CPC (source: EP US)

H01M 4/881 (2013.01 - EP US); **H01M 4/8814** (2013.01 - EP US); **H01M 4/8817** (2013.01 - EP US); **H01M 8/1004** (2013.01 - EP US); **H01M 2008/1095** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2012315571 A1 20121213; CN 102763255 A 20121031; CN 102763255 B 20150722; EP 2654112 A1 20131023; EP 2654112 A4 20150107; EP 2654112 B1 20160406; JP 5044062 B2 20121010; JP WO2012081169 A1 20140522; WO 2012081169 A1 20120621

DOCDB simple family (application)

US 201113579661 A 20111124; CN 201180008850 A 20111124; EP 11849051 A 20111124; JP 2011006531 W 20111124; JP 2012519266 A 20111124